

SEQUENCE LISTING

<110> EXELIXIS, INC.

<120> MAPK7 AS MODIFIER OF BRANCHING MORPHOGENESIS AND METHODS OF USE

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<150> US 60/420,554

<151> 2002-10-23

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<170> PatentIn version 3.2

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<213> Homo sapiens

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Phe Lys Ser Val Tyr Val Val Leu Asp Leu Met Glu Ser Asp Leu His
130 135 140

Gln Ile Ile His Ser Ser Gln Pro Leu Thr Leu Glu His Val Arg Tyr
145 150 155 160

Phe Leu Tyr Gln Leu Leu Arg Gly Leu Lys Tyr Met His Ser Ala Gln
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Val Ile His Arg Asp Leu Lys Pro Ser Asn Leu Leu Val Asn Glu Asn
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Cys Glu Leu Lys Ile Gly Asp Phe Gly Met Ala Arg Gly Leu Cys Thr
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Ser Pro Ala Glu His Gln Tyr Phe Met Thr Glu Tyr Val Ala Thr Arg
210 215 220

Trp Tyr Arg Ala Pro Glu Leu Met Leu Ser Leu His Glu Tyr Thr Gln
225 230 235 240

Ala Ile Asp Leu Trp Ser Val Gly Cys Ile Phe Gly Glu Met Leu Ala
245 250 255

Arg Arg Gln Leu Phe Pro Gly Lys Asn Tyr Val His Gln Leu Gln Leu
260 265 270

Ile Met Met Val Leu Gly Thr Pro Ser Pro Ala Val Ile Gln Ala Val
275 280 285

Gly Ala Glu Arg Val Arg Ala Tyr Ile Gln Ser Leu Pro Pro Arg Gln
290 295 300

Pro Val Pro Trp Glu Thr Val Tyr Pro Gly Ala Asp Arg Gln Ala Leu
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Ser Leu Leu Gly Arg Met Leu Arg Phe Glu Pro Ser Ala Arg Ile Ser
325 330 335

Ala Ala Ala Ala Leu Arg His Pro Phe Leu Ala Lys Tyr His Asp Pro
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Asp Asp Glu Pro Asp Cys Ala Pro Pro Phe Asp Phe Ala Phe Asp Arg
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Glu Ala Leu Thr Arg Glu Arg Ile Lys Glu Ala Ile Val Ala Glu Ile
370 375 380

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Pro Pro Pro Ala Pro Pro Pro Cys Pro Gly Pro Ala Pro Asp Thr Ile
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Asp Leu Thr Leu Gln Pro Pro Pro Pro Val Ser Glu Pro Ala Pro Pro
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Lys Lys Asp Gly Ala Ile Ser Asp Asn Thr Lys Ala Ala Leu Lys Ala
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Pro Thr Gly Pro Pro Gly Pro Ile Pro Val Pro Ala Pro Pro Gln Ile
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 755 760 765

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Gly Met Asn Pro Ala Asp Ile Glu Ser Leu Gln Arg Glu Ile Gln Met
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